

**Anti-c-Jun (pY170) Antibody**  
**Rabbit polyclonal antibody to c-Jun (pY170)**  
**Catalog # AP59600****Specification**

---

**Anti-c-Jun (pY170) Antibody - Product Information**

Application	WB, IP, IHC
Primary Accession	<a href="#">P05412</a>
Other Accession	<a href="#">P05627</a>
Reactivity	Human, Mouse, Rat, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35676

**Anti-c-Jun (pY170) Antibody - Additional Information****Gene ID** 3725**Other Names**

Transcription factor AP-1; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human c-Jun. The exact sequence is proprietary.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IP (1/10 - 1/100)

IP~~N/A

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-c-Jun (pY170) Antibody - Protein Information****Name** JUN**Function**

Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed: [10995748](http://www.uniprot.org/citations/10995748), PubMed: [22083952](http://www.uniprot.org/citations/22083952)). Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and

enhancing its transcriptional activity (By similarity). Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/12618758" target="\_blank">12618758</a>). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:<a href="http://www.uniprot.org/citations/17210646" target="\_blank">17210646</a>). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:<a href="http://www.uniprot.org/citations/24623306" target="\_blank">24623306</a>).

#### Cellular Location

Nucleus.

#### Tissue Location

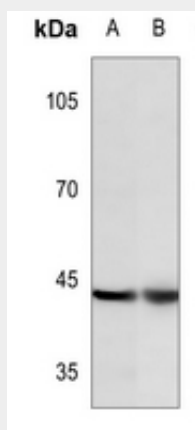
Expressed in the developing and adult prostate and prostate cancer cells.

### Anti-c-Jun (pY170) Antibody - Protocols

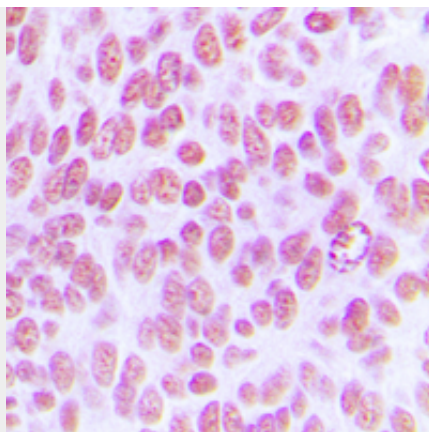
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-c-Jun (pY170) Antibody - Images



Western blot analysis of c-Jun (pY170) expression in HeLa (A), mouse kidney (B) whole cell lysates.



Immunohistochemical analysis of c-Jun (pY170) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-c-Jun (pY170) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human c-Jun. The exact sequence is proprietary.